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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Ashok TEHIM et al.

Serial No.: 10/825,610

Examiner: Unassigned

Filed: April 16, 2004

Group Art Unit: Unassigned

Title: **PHOSPHODIESTERASE 4 INHIBITORS****INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56, 1.97 AND 1.98**

Commissioner for Patents
P.O. Box 1450
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Sir:

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This information disclosure statement is made in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98 as follows:

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- ☒ Under 37 C.F.R. § 1.97(b), no fee or statement is required for filing this information disclosure statement is filed:
- ☐ within three months of the filing date of a national application other than a CPA under § 1.53(d);
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is accompanied by:

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☐ Each item of information contained in this information disclosure statement was a first cited in a communication from a foreign patent office in a counterpart foreign application having a mailing date not more than three months prior to the filing date of this information disclosure statement; or

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Cited Materials

☐ Copies of materials listed but not attached were cited in benefit (35 U.S.C. § 120) ancestor application Serial No. _____, on Form 892 by the Examiner and/or Form 1449 by the applicant; see 37 C.F.R. § 1.98(d).

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Non-English Language References

- ☐ An English-language search report or equivalent paper from a foreign patent office is provided indicating the relevance of the cited reference(s).
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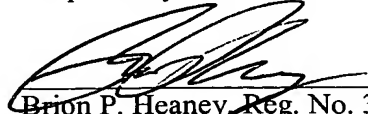
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Respectfully submitted,



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Attorney for Applicants

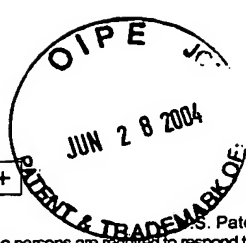
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Attorney Docket No.: MEMORY-40

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete if Known

Application Number	Unassigned
Filing Date	April 16, 2004
First Named Inventor	Ashok TEHIM et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	MEMORY-40

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	4,012,495		Schmiechen, et al.	03-15-1977	
	A2	4,193,926		Schmiechen, et al.	03-18-1980	
	A3	4,219,551		Seidelmann et al.	08-26-1980	
	A4	5,846,514		Foster et al.	12-08-1998	
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FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM- DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	B1	WO	01/68600	A2	Lauener et al.	09-20-2001		
	B2	WO	02/45749	A2	Filbin et al.	06-13-2002		
	B3	WO	92/19594		Bender et al.	11-12-1992		
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	B7	WO	95/28926	A1	Wachtel et al.	11-02-1995		
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	B11	JP	64-72415			3-17-1998		

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	Unassigned
Filing Date	April 16, 2004
First Named Inventor	Ashok TEHIM
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	MEMORY-40

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Nagakura et al., "Effects of a phosphodiesterase IV inhibitor rolipram on microsphere embolism-induced defects in memory function and cerebral cyclic AMP signal transduction system in rats," <i>British Journal of Pharmacology</i> , (2002) 135, 1783-1793	
	C2	Keller et al., "Synthesis and Structure-Activity Relationship of N-Arylrolipram Derivatives as Inhibitors of PDE4 Isozymes," <i>Chem. Pharm. Bull.</i> , 49(8) 1009-1017 (2001)	
	C3	Martin, "PDE4 inhibitors - A review of the recent patent literature," <i>Idrugs</i> , 2001 4 (3):312-338	
	C4	Wang et al., "Expression, Purification, and Characterization of Human cAMP-Specific Phosphodiesterase (PDE4) Subtypes A, B, C, and D," <i>Biochemical and Biophysical Research Communications</i> , 234, 320-324 (1997)	
	C5	Meyers et al., "The Synthesis of Aracemic 4-Substituted Pyrrolidinones and 3-Substituted Pyrrolidines. An Asymmetric Synthesis of (-)-Rolipram," <i>J. Org. Chem.</i> , 1993, 58, 36-42	
	C6	Crossland, J., "Rolipram," <i>Drugs Of The Future</i> , Vol. 13, No. 1, 1988	
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	C9	Houslay et al., "The Multienzyme PDE4 Cyclic Adenosine Monophosphate-Specific Phosphodiesterase Family: Intracellular Targeting, Regulation, and Selective Inhibition by Compounds Exerting Anti-inflammatory and Antidepressant Actions," <i>Advance in Pharmacology</i> , Volume 44, pp. 225-342 (1998)	
	C10	Zhang et al., "Inhibition Of Cyclic AMP Phosphodiesterase (PDE4) Reverses Memory Deficits Associated with NMDA Receptor Antagonism," <i>Neuropsychopharmacology</i> , 2000, 23, 198-204	
	C11	Zhang et al., "Effects of rolipram on scopolamine-induced impairment of working and reference memory in the radial-arm maze tests in rats," <i>Psychopharmacology DOI</i> , 10.1007/s002130000414 (2000)	
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	C14	Osby et al., "Rapid and Efficient Reduction of Aliphatic Nitro Compounds to Amines," <i>Tetrahedron Letters</i> , Volume 26, No. 52, pp. 6413-6416, 1985	
	C15	Kusters et al., "Influence of temperature on the enantioseparation of rolipram and structurally related racemates on Chiracel-OD," <i>Journal of Chromatography A</i> , 737, (1996) 333-337	
	C16	Christensen et al., "1,4-Cyclohexanecarboxylates: Potent and Selective Inhibitors of Phosphodiesterase 4 for the Treatment of Asthma," <i>J. Med. Chem.</i> , 1998, 41, 821-835	
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	C21	Marivet et al., "Inhibition of Cyclic Adenosine-3',5'-monophosphate Phosphodiesterase from Vascular Smooth Muscle by Rolipram Analogues," <i>J. Med. Chem.</i> , 1989, 32, 1450-1457	
	C22	Morgan et al., "Biochemical Pharmacology (1993)", 45(12), 2373-80, pgs 23-27, CAS Abstract Only,	

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